

Chris W.

**Government
Memorandum**

Date: December 14, 1999

To: Assistant Managers, Yazoo NWR Complex

From: Biologist, Yazoo NWR Complex

Subj: Annual Mid-Winter Waterfowl Survey and Mid-Winter Bald Eagle Survey

Here is Bob Strader's memo and form and some extra forms you can use as tally sheets. Let's try to run our waterfowl survey on January 3, weather permitting. If this is not a suitable time for you, let me know as soon as possible so we can coordinate. I will be on annual leave for a large part of December, but you can reach me at home most of the time, (662)839-6461.

For the bald eagle survey, you should have a route mapped out and in your files. Please run this survey at the same time as the waterfowl survey. We will do ground surveys only as we did last year.

If you have any geese using the refuge or surrounding areas, the Mid-December all-goose survey will be on December 15. Please report any geese you may have in the area on this date.

Return forms from all surveys to me so I can send in one report for the Complex. Any questions, just holler.

Chris W.

U.S. GOVERNMENT
MEMORANDUM

DATE: December 8, 1999

FROM: Supervisory Wildlife Mgmt. Biologist, FWS, Jackson, MS

SUBJECT: Annual Mid-Winter Waterfowl Survey - January 3-7, 2000

TO: Robert Helm, LA
Fred Roetker, LA
Scott Baker, MS
Danny Hartley, COE, MS
George Chandler, LA
David Linden, MS
Randy Myers, LA
Noxubee NWR, MS
MS Wetlands Management District, MS

This is to request your help in conducting the annual waterfowl survey commencing January 3 with completion as soon thereafter as possible - preferably within three days. Remember to count all Sandhill Cranes observed and record them in your summary. Enclosed is the ZONE SUMMARY form indicating your area(s) of responsibility by Zone and Unit(s) - (DO NOT use other versions of this form such as a field form). Please return the results of your survey to me as soon as it is completed (US Fish & Wildlife Service, 6578 Dogwood View Parkway, Suite B, Jackson, Mississippi 39213).

The object is to estimate the distribution and habitat utilization of waterfowl. Simultaneous surveys will be made all over the nation. Your part consists of recording birds seen in the area assigned to you on the dates specified herein. In the columns on the survey form, record numbers of waterfowl actually observed, describing them by species when possible. If you are uncertain as to species, include them in the "Unidentified" space.

Please complete the enclosed SUMMARY OF WINTER WATERFOWL SURVEY form thoroughly. Note the number of personnel participating, number of aircraft used, miles flown, cars used, miles driven, boats used, and miles traveled. Also, note weather conditions at the time you ran the survey and any unusual concentrations of waterfowl. Don't forget to enter the date of your survey at the top of the form.

Thank you for your valuable help in this important undertaking.

Enclosures

Bob Strader

SUMMARY OF WINTER WATERFOWL SURVEY

State: MSDates 01/04 to 01/05, 2000Summary and Evaluation of Waterfowl Survey:Total Survey Units 3 (^{Hillside}~~Morgan Brake~~~~Mathews Brake~~) Units Surveyed 3 (^{Hillside}~~Morgan Brake~~~~Mathews Brake~~)Narrative: (Describe weather, flooding, drought, delays and other factors affecting the survey.)

A cold front and thunderstorms moved through the area on Jan 3 delaying the counts until Jan 4-5

Jan 4 (counted at Hillside and Morgan Brake)

Counted Hillside and Morgan Brake by Car. Water is present, but is below normal levels on both refuges. Cloudy sky conditions with light rain in the morning. Temp in the lower to mid 40's F. Wind 10-15 mph

Jan 5 (counted at Mathews Brake)

Counted Mathews Brake in the morning hours by boat. Hunting occurring during count. Water level is near or slightly below normal. Mostly clear sky conditions. Temp started Unusual Concentrations: in the lower 30's F. and warmed into the upper 40's F. Wind 0-5 mph. Shallow water had thin ice present on it.

None

* HLD - 31.0 miles

* MOB - 16.0 miles

PARTICIPATION SUMMARY

Organization	No. Personnel Participating	Aircraft			Cars		Boats	
		No.	Hrs. Flown	Miles Flown	No. used	Miles driven	No. used	Miles traveled
Service	<u>4</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>45.0</u> *	<u>1</u>	<u>8</u>
State	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Other	<u>2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>2.0</u> *	<u>-</u>	<u>-</u>
TOTALS	<u>6</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>47.0</u> *	<u>1</u>	<u>8</u>

Christopher A. Wadsworth
Signature

MIDWINTER WATERFOWL SURVEY

Page 1 of 2MississippiZONE: I
(continued)DATES 1/04 TO 1/05, 2000

Survey Unit/Area	35	36	39	40	45	46
Observer(s)	Linden (Yazoo)	Baker	Baker	Baker	Linden	Linden
Mallard					281	
Black duck					-	
Mottled duck					20	
Gadwall					-	
Wigeon					29	
G-W teal					-	
B-W teal					-	
Cinn. teal					-	
Shoveler					-	
Pintail					6	
Wood duck					-	
Whistling duck						
Subtotal-Dabblers					336	
Redhead					-	
Canvasback					-	
Scaup					-	
Ringneck					-	
Goldeneye					-	
Bufflehead					-	
Ruddy duck						
Subtotal-Divers					0	
Elder					-	
Scooter					-	
Oldsquaw					-	
Harlequin					-	
Subtotal-Seaducks					0	
Mergansers (Hooded)					13	
Unidentified ducks					-	
TOTAL DUCKS					349	
Brant					-	
Snow goose					-	
Blue goose					-	
Ross' goose					-	
White-fronted goose					-	
Canada goose					-	
TOTAL GEESE					0	
Tundra swan					-	
Trumpeter swan					-	
Mute swan					-	
TOTAL SWANS					0	
COOT					-	
SANDHILL CRANE					-	
GRAND TOTAL					349	

ZONE SUMMARY
MIDWINTER WATERFOWL SURVEY

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Mississippi

ZONE: 1 (continued) DATES 1/04 TO 1/05, 2000

Survey Unit/Area	MOB 47	MAB 48	TRIB 49	51		Grand Total
Observer(s)	Linden	Linden	Linden	Gard		
Mallard	2970	1500				
Black duck	-	-				
Mottled duck	-	-				
Gadwall	509	1200				
Wigeon	4	-				
G-W teal	527	-				
B-W teal	-	-				
Cinn. teal	-	-				
Shoveler	715	-				
Pintail	1	-				
Wood duck	40	200				
Whistling duck	-	-				
Subtotal-Dabblers	4766	2900				
Redhead	-	-				
Canvasback	-	-				
Scaup	12	-				
Ringneck	239	-				
Goldeneye	-	-				
Bufflehead	30	-				
Ruddy duck	345	-				
Subtotal-Divers	626	0				
Eider	-	-				
Scooter	-	-				
Oldsquaw	-	-				
Harlequin	-	-				
Subtotal-Seaducks	0	0				
Mergansers (Hooded)	28	-				
Unidentified ducks	-	-				
TOTAL DUCKS	5420	2900				
Brant	-	-				
Snow goose	-	-				
Blue goose	-	-				
Ross' goose	-	-				
White-fronted goose	10	-				
Canada goose	22	-				
TOTAL GEESE	32	0				
Tundra swan	-	-				
Trumpeter swan	-	-				
Mute swan	-	-				
TOTAL SWANS	0	0				
COOT	209	-				
SANDHILL CRANE	-	-				
GRAND TOTAL	5661	2900				

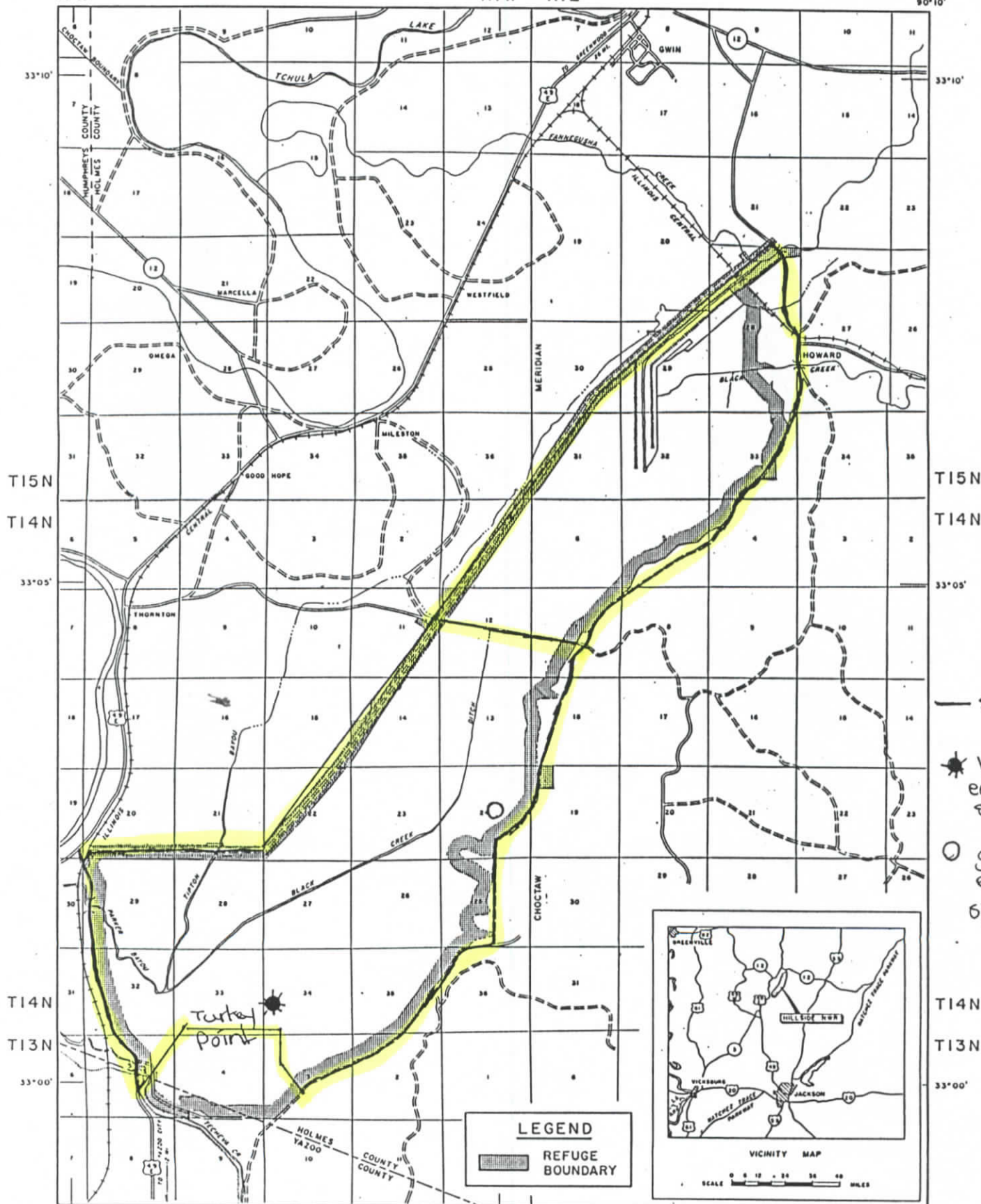
Waterfowl and Bald Eagle Survey — ~~1999~~ 01/04/2000 HILLSIDE NATIONAL WILDLIFE REFUGE

HOLMES AND YAZOO COUNTIES, MISSISSIPPI

UNITED STATES
DEPARTMENT OF THE INTERIOR
90°20'

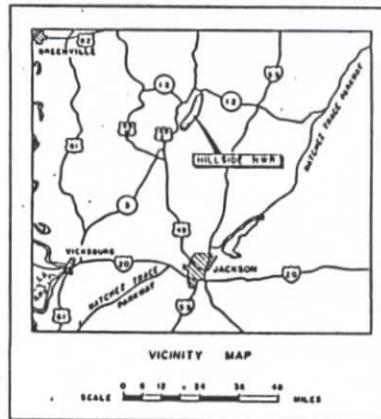
RIW RIE

UNITED STATES
FISH AND WILDLIFE SERVICE
90°10'



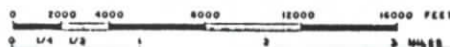
— survey route
★ bald eagle sighting
○ golden eagle sighting

LEGEND
REFUGE BOUNDARY



COMPILED IN THE DIVISION OF REALTY
FROM SURVEYS BY USGS, CORPS OF
ENGINEERS, AND AERIAL PHOTOGRAPHS

RIW RIE
CHOCTAW MERIDIAN



MEAN DECLINATION
1978

Waterfowl and
Bald Eagle Survey - ~~1989~~ 01/04/2000

MORGAN BRAKE NATIONAL WILDLIFE REFUGE

UNITED STATES
DEPARTMENT OF THE INTERIOR

HOLMES COUNTY, MISSISSIPPI

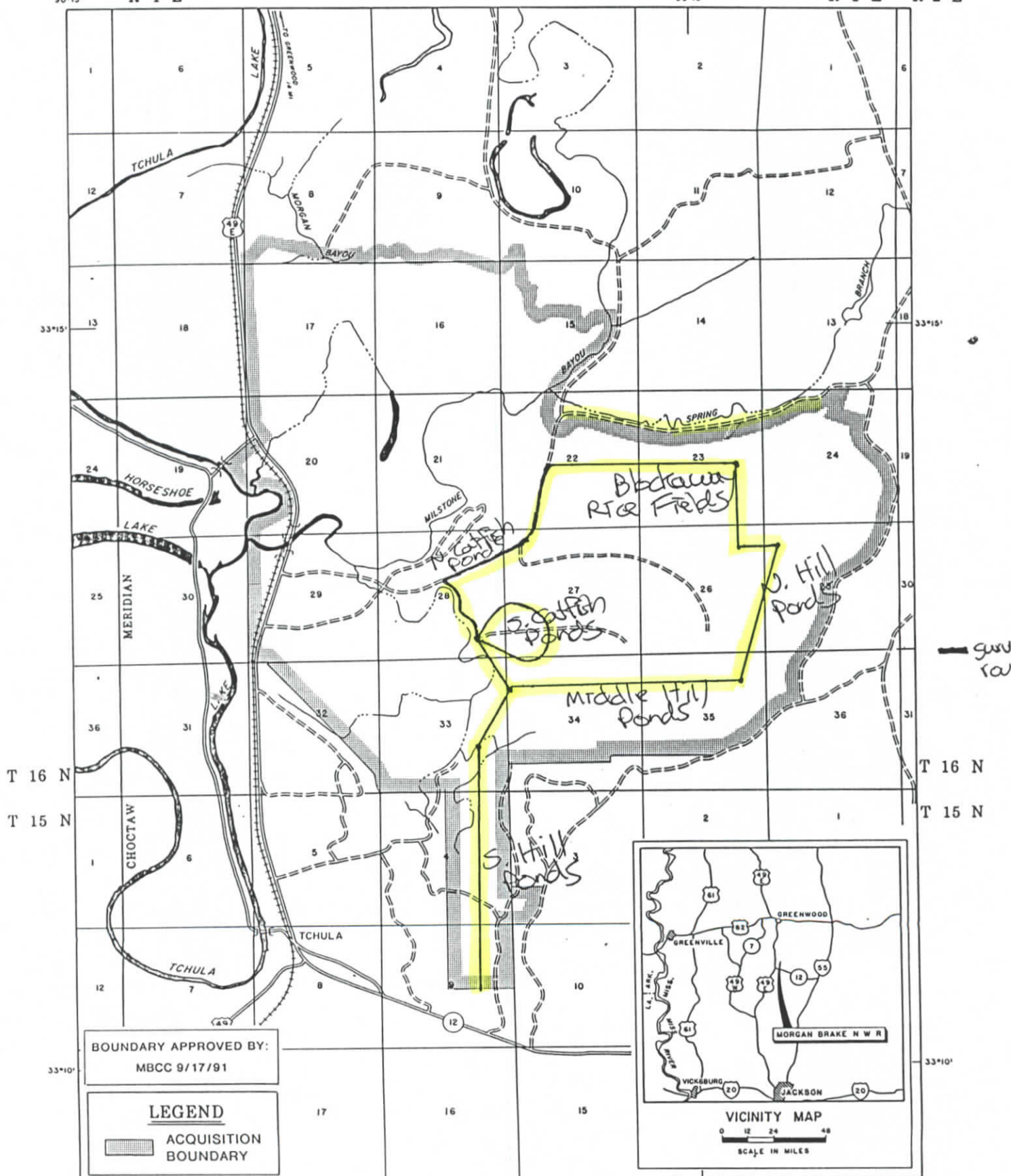
UNITED STATES
FISH AND WILDLIFE SERVICE

90°15'

R 1 E

90°10'

R 1 E R 2 E



BOUNDARY APPROVED BY:
MBCC 9/17/91

LEGEND

ACQUISITION
BOUNDARY

90°15'

R 1 E

COMPILED IN THE DIVISION OF REALTY
FROM SURVEYS BY U.S.G.S.

CHOCTAW MERIDIAN

0 1320 2640 5280 7920 10560 FEET
0 1/4 1/2 1 2 MILES

90°10'

R 1 E R 2 E